

Dipole moments and molar kerr constants of certain 2-chloro-1,3,2-dioxaarsolanes

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Abstract

1. An axial orientation of the As-Cl bond in 2-chloro-1,3,2-dioxaarsolanes was established by the method of dipole moments. 2. On the basis of the Kerr constants we determined the geometrical configuration of the substituents in 4-methyl- and meso-4,5-dimethyl-2-chloro-1,3,2-dioxaarsolanes. 3. For the dioxaarsolanes studied, substantial deviations from an additive scheme of the polarizabilities are observed. © 1975 Plenum Publishing Corporation.

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